



# Houston Health Department

## **FY2022 Budget Workshop Presentation**

Stephen L. Williams, Director

May 19, 2021

# Vision | Mission | Goals

**OUR VISION:** SELF-SUFFICIENT FAMILIES AND INDIVIDUALS IN SAFE AND HEALTHY COMMUNITIES.

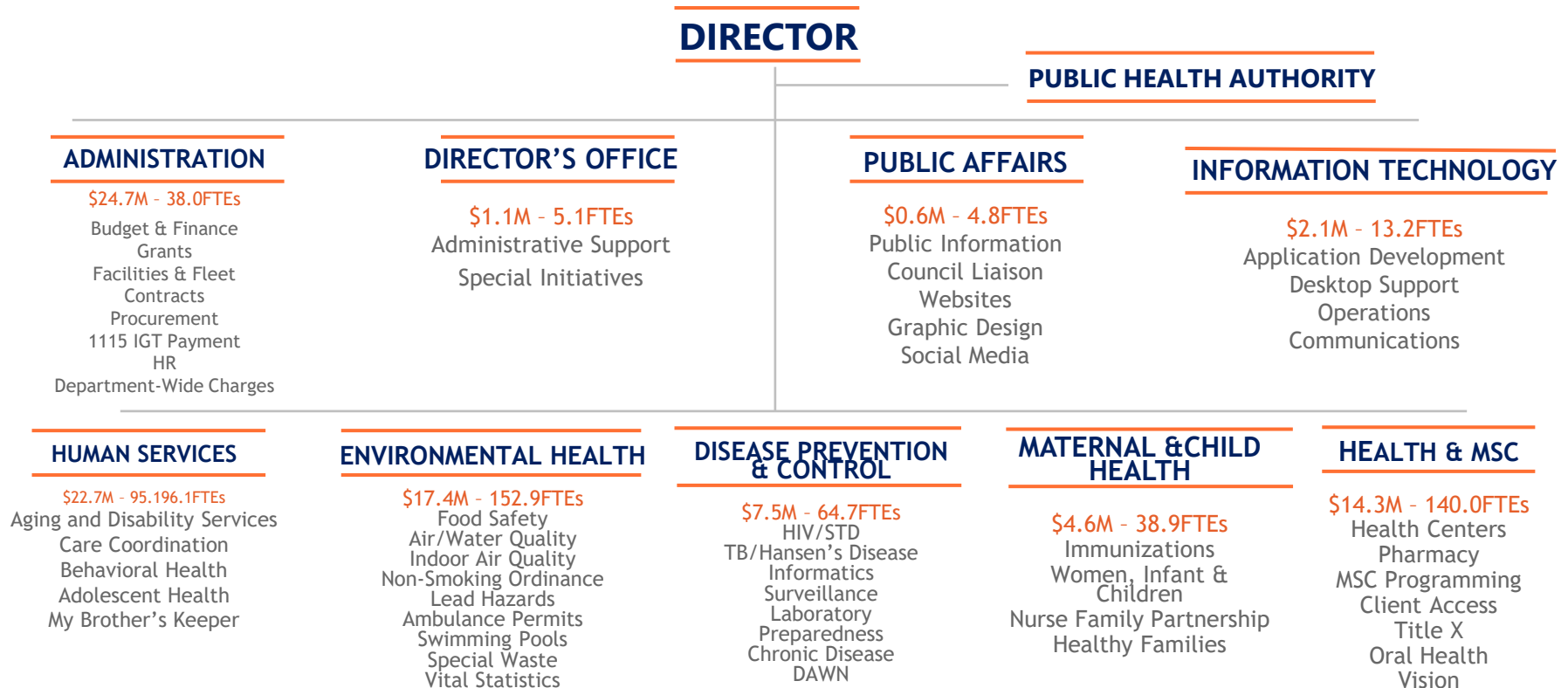
**OUR MISSION:** TO WORK IN PARTNERSHIP WITH THE COMMUNITY TO PROMOTE AND PROTECT THE HEALTH AND SOCIAL WELL-BEING OF HOUSTONIANS AND THE ENVIRONMENT IN WHICH THEY LIVE.

## OUR GOALS SUPPORT THE FOLLOWING PRIORITY/FOCUS AREAS:





# Functional Org. Chart



\*\$ and FTEs includes General Fund and Special Revenue only. Grants are excluded. Total FTE shown is 653.7 FTE (367.8 General Fund and 285.9 Special Fund)

# Department Programming

## MAJOR SERVICES

### HUMAN SERVICES

Aging & Disability Services  
Care Coordination  
Behavioral Health  
Adolescent Health  
Re-Entry  
My Brother's Keeper

### ENVIRONMENTAL HEALTH

Food Safety  
Air/Water Quality  
Indoor Air Quality  
Non-Smoking Ordinance  
Lead Hazards  
Ambulance Permits  
Swimming Pools  
Special Waste  
Vital Statistics

### DISEASE PREVENTION & CONTROL

HIV/STD  
TB/Hansen's Disease  
Informatics  
Surveillance  
Laboratory  
Preparedness  
Chronic Disease  
DAWN

### MATERNAL & CHILD HEALTH

Immunizations  
Women, Infants & Children (WIC)  
Nurse-Family Partnership  
Healthy Families

### HEALTH & MSC

Health Centers  
Pharmacy  
MSC Programming  
Client Access  
Title X  
Oral Health  
Vision



## REQUIREMENTS

### I. STATE STATUTORY REQUIREMENTS

- A. Texas Health and Safety Code Chapters 81, 85, and 88
- B. Texas Health and Safety Code Chapter 121, 122, 161, 191, 341, 342, and 385

### II. LOCAL ORDINANCES MANDATING SERVICES

#### Houston Code of Ordinances

- A. Chapter 4 – Ambulance
- B. Chapter 20 – Food and Drugs
- C. Chapter 21 – Health

PENALTIES FOR FAILURE TO COMPLY: Fines, suspension, or revocation of licensure.



## REQUIRED FOR SERVICE DELIVERY

### III. CREDENTIALING (Medical, Laboratory, and Dental personnel)

#### A. Laboratory

- Director requires doctorate and a Board Certification in Laboratory Science  
Example: American Board of Clinical Chemistry

#### B. Medical

- State Medical License
- Prescriptive Authority Agreement

#### C. Dental

- State Dental License
- Drug Enforcement Agency (DEA) License
- CPR Certificate

### IV. PUBLIC HEALTH ACCREDITATION BOARD

PENALTIES FOR FAILURE TO COMPLY: Loss of certifications, licensing, inability to provide laboratory services and distribute medications.



## REQUIRED FOR SERVICE DELIVERY

### I. LABORATORY

- Clinical Laboratory Improvement Amendments (CLIA)
- FCDC Federal Select Agent Program Certification
- National Environmental Laboratory Accreditation
- American Industrial Hygiene Association Accreditation

### II. PHARMACY

- Texas State Board of Pharmacy Regulations, Rules and licensing
- Health Resources and Services Administration(HRSA) 340B program requirements
  - Family Planning, STD and TB



## INVESTMENT FY22

General Fund  
HHD BUDGET

**NET  
INVESTMENT IN  
PUBLIC HEALTH**

General Fund  
HHD REVENUE

\$59.9 Million

**\$37.0  
MILLION**

\$22.9 Million





# Revenues By Funds (\$ in thousands)



Category	FY20 Actual	FY21 Budget	FY21 Estimates	FY22 Proposed	Variance FY22 Prop/FY21 Budget	% Change
General Fund	22,626	27,883	23,753	22,877	(5,006)	-18.0%
Health Special Revenue Fund 2002	4,715	4,627	4,796	5,439	812	17.5%
Laboratory O&M Fund 2008	410	491	523	491	-	0.0%
Swimming Pool Safety Fund 2009	1,262	1,355	1,367	1,376	21	1.5%
Essential Public Health Services Fund 2010	13,973	23,096	25,699	23,731	635	2.7%
Special Waste (FOG) Fund 2423	4,394	4,582	4,492	4,552	(30)	-0.7%
<b>Total</b>	<b>47,380</b>	<b>62,034</b>	<b>60,630</b>	<b>58,466</b>	<b>(3,568)</b>	<b>3.2%</b>

# Revenue Highlights

## BY FUND

\$ IN THOUSANDS

FUND	SIGNIFICANT CHANGES AND IMPACT
<b>FUND 1000</b> GENERAL FUND	The FY2022 Revenue Budget include \$3.3 million decrease in the 1115 Health Waiver Intergovernmental Transfer (IGT) due to a change in the state's reimbursement structure.
<b>FUND 2002</b> HEALTH SPECIAL REVENUE	The FY2022 Budget increased due to an increase in participation in the AAA Veteran's Affair Program
<b>FUND 2008</b> LABORATORY	No Significant Budget Changes
<b>FUND 2009</b> SWIMMING POOL SAFETY	No Significant Budget Changes
<b>FUND 2010</b> ESSENTIAL PUBLIC HEALTH	FY2022 Budget reflects an increase in revenue for 1115 Waiver as a result of a change in the state's reimbursement structure.
<b>FUND 2423</b> SPECIAL WASTE	No Significant Budget Changes

# Expenditures By Funds (\$ in thousands)



Category	FY20 Actual	FY21 Budget	FY21 Estimates	FY22 Proposed	Variance FY22 Prop/FY21 Budget	% Change
General Fund	55,750	62,793	57,381	59,869	(2,924)	(4.7%)
Health Special Revenue Fund 2002	5,041	7,021	5,650	8,270	1,249	17.8%
Laboratory O&M Fund 2008	382	567	567	567	0	0.0%
Swimming Pool Safety Fund 2009	1,085	1,934	1,507	1,936	2	0.1%
Essential Public Health Services Fund 2010	14,435	16,215	13,403	18,322	2,107	13.0%
Special Waste (FOG) Fund 2423	4,462	5,772	4,945	5,986	214	3.7%
<b>Total</b>	<b>81,155</b>	<b>94,302</b>	<b>83,453</b>	<b>94,950</b>	<b>648</b>	<b>0.7%</b>

# Expenditures Highlights

## BY FUND

\$ IN THOUSANDS

FUND	SIGNIFICANT CHANGES AND IMPACT
<b>FUND 1000</b> GENERAL FUND	<i>The FY2022 Budget includes a reduction of \$1.3 million for department savings initiatives, \$727K decrease in the 1115 Waiver (IGT) payment, and \$746K an increase in restricted account allowance.</i>
<b>FUND 2002</b> HEALTH SPECIAL REVENUE	The FY2022 Budget includes additional funding for the replacement of obsolete operational software and the increase in AAA Veterans Affair Program.
<b>FUND 2008</b> LABORATORY	No Significant Budget Changes
<b>FUND 2009</b> SWIMMING POOL SAFETY	The FY2022 Budget includes \$100K allocated for pool abatement and carryover vehicle purchase from prior year.
<b>FUND 2010</b> ESSENTIAL PUBLIC HEALTH	The FY2022 Budget includes an increase of 34 FTE's in various programs Care Houston Links, Human Services , Re-Entry, Public Health Preparedness, and Adolescent Health
<b>FUND 2423</b> SPECIAL WASTE	The FY2022 Budget includes one-time vehicles purchase and an additional 3.6 FTEs to support Environmental Protection Agency (EPA) Consent Decree.

# FY22 Personnel vs. Non- Personnel

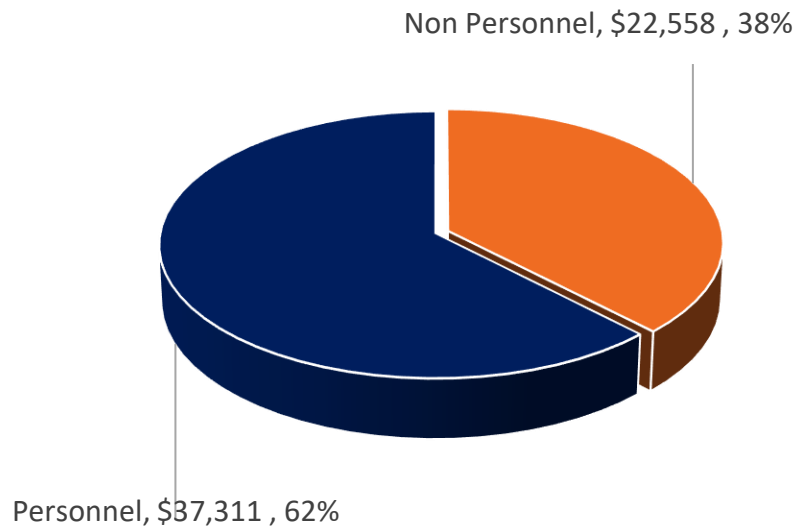
FUND 1000 | GENERAL FUND TOTAL: \$59,869

\$ IN THOUSANDS

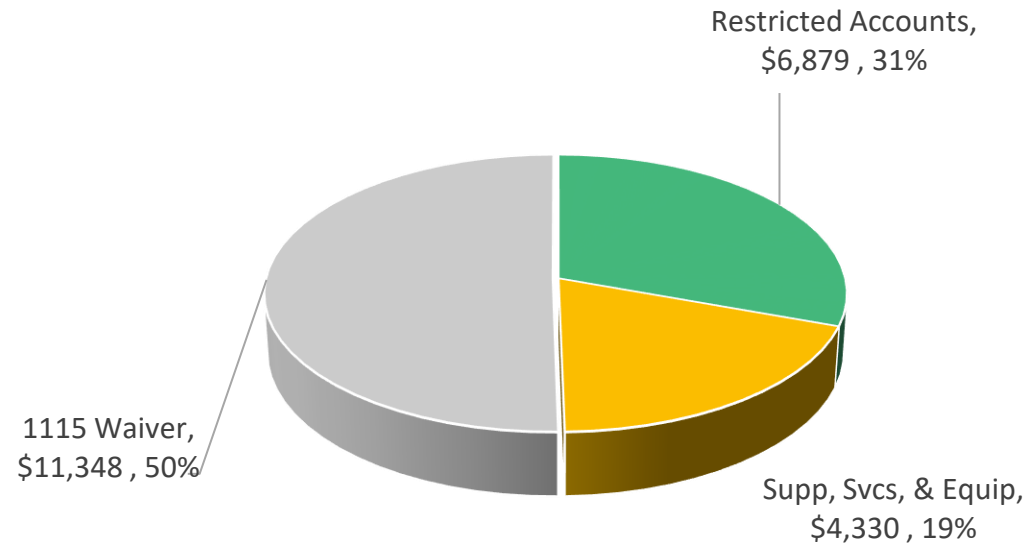


HOUSTON HEALTH  
DEPARTMENT

## PERSONNEL VS NON PERSONNEL



## NON PERSONNEL



# FY22 Personnel vs. Non- Personnel

FUND 2002 | HEALTH SPECIAL TOTAL: \$8,270

\$ IN THOUSANDS



HOUSTON HEALTH  
DEPARTMENT

## PERSONNEL VS NON PERSONNEL

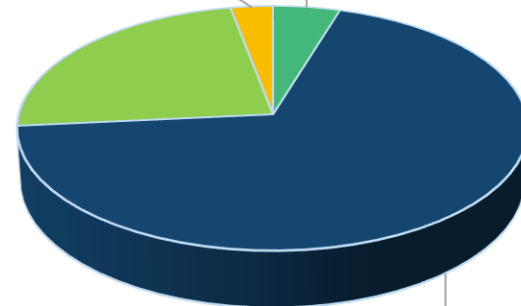
Personnel, \$3,909, 47%



## NON PERSONNEL

Restricted Accounts, \$206, 5%  
Equipment, \$90, 1.1%

Other Supplies & Services, \$1,026, 23%  
Non Sub Recipients Contracts, \$3,000, 69%



# FY22 Personnel vs. Non- Personnel

FUND 2008 | LABORATORY TOTAL: \$567

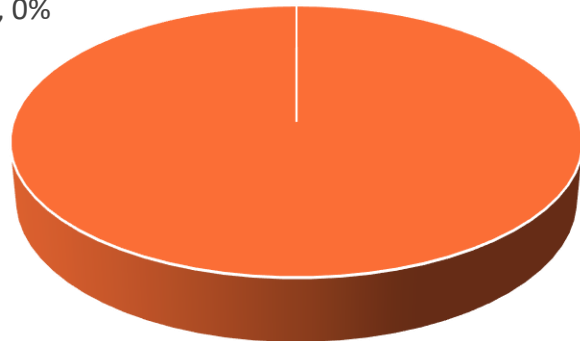
\$ IN THOUSANDS



HOUSTON HEALTH  
DEPARTMENT

## PERSONNEL VS NON PERSONNEL

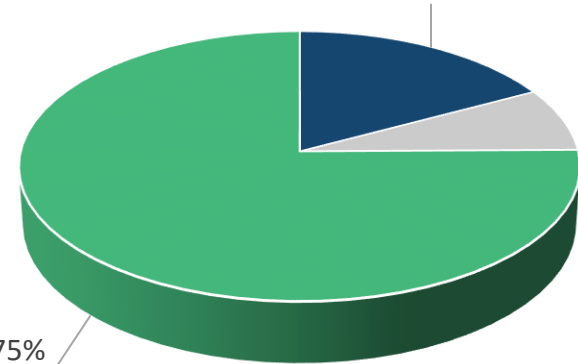
Personnel, \$0 , 0%



Non Personnel, \$567 , 100%

## NON PERSONNEL

Non Sub Recipient  
Contracts, \$118 , 17%



Other Services, \$515 , 75%

Other Supplies , \$52 , 8%



# FY22 Personnel vs. Non- Personnel

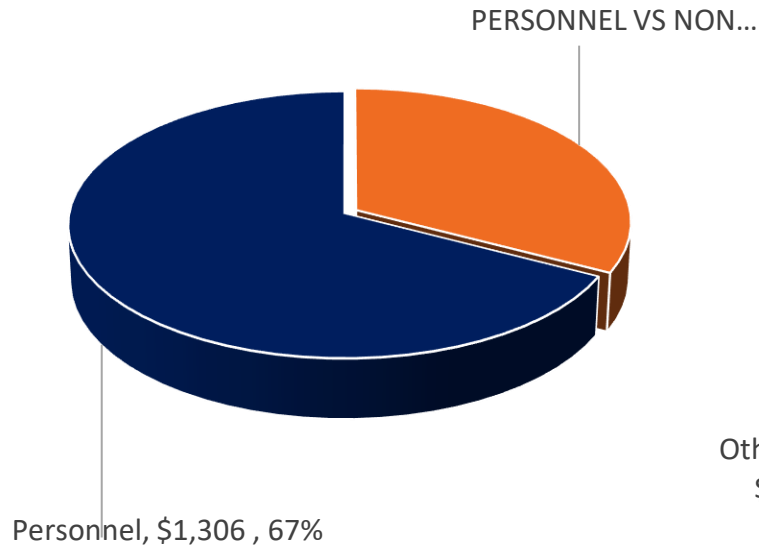
FUND 2009 | SWIMMING POOL TOTAL: \$1,936

\$ IN THOUSANDS

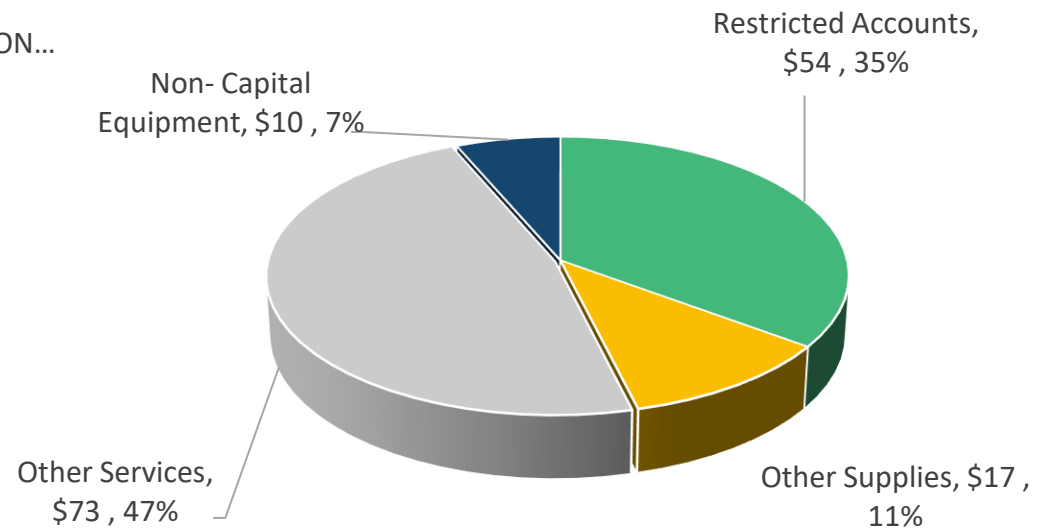


HOUSTON HEALTH  
DEPARTMENT

## PERSONNEL VS NON PERSONNEL



## NON PERSONNEL





# FY22 Personnel vs. Non- Personnel

FUND 2010 | ESSENTIAL PUBLIC HEALTH TOTAL: \$18,322

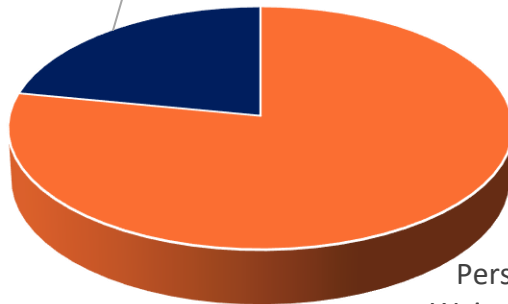
\$ IN THOUSANDS



HOUSTON HEALTH  
DEPARTMENT

## PERSONNEL VS NON PERSONNEL

Non Personnel-1115 Waiver,  
\$4,020 , 22%

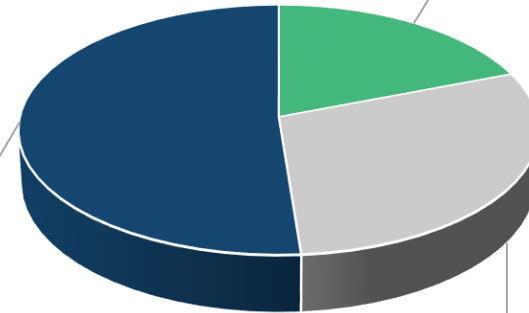


Personnel-1115  
Waiver, \$14,302 ,...

Other Supplies and  
Services, \$2,060 ,  
51%

## NON PERSONNEL

Restricted Accounts,  
\$770 , 19%



Non-Subrecipient  
Contracts, \$1,190 , 30%



# FY22 Personnel vs. Non- Personnel

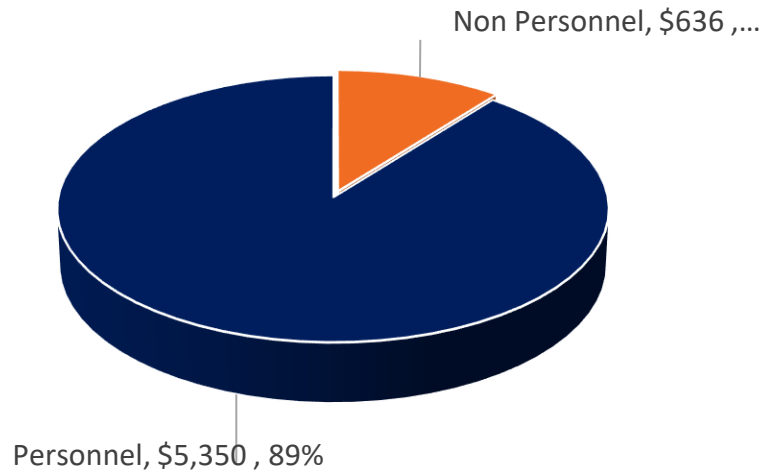
FUND 2423 | SPECIAL WASTE (FOG) TOTAL: \$5,986

\$ IN THOUSANDS

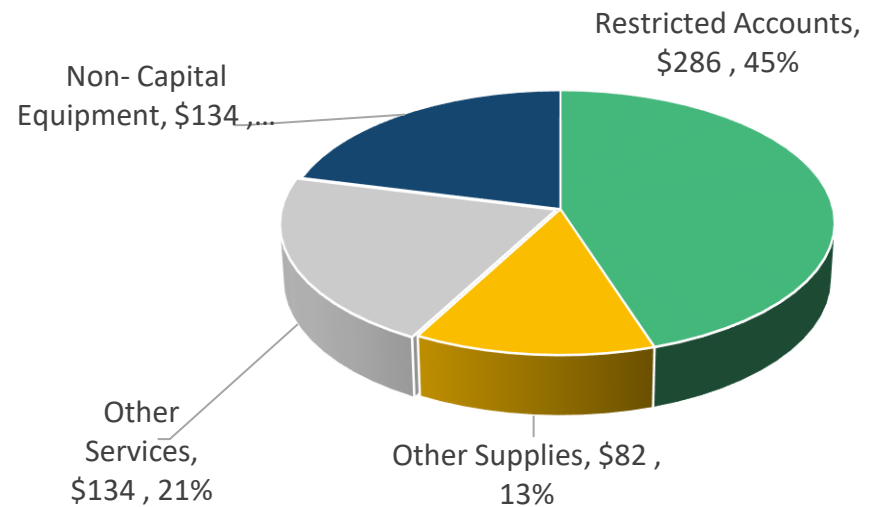


HOUSTON HEALTH  
DEPARTMENT

## PERSONNEL VS NON PERSONNEL



## NON PERSONNEL



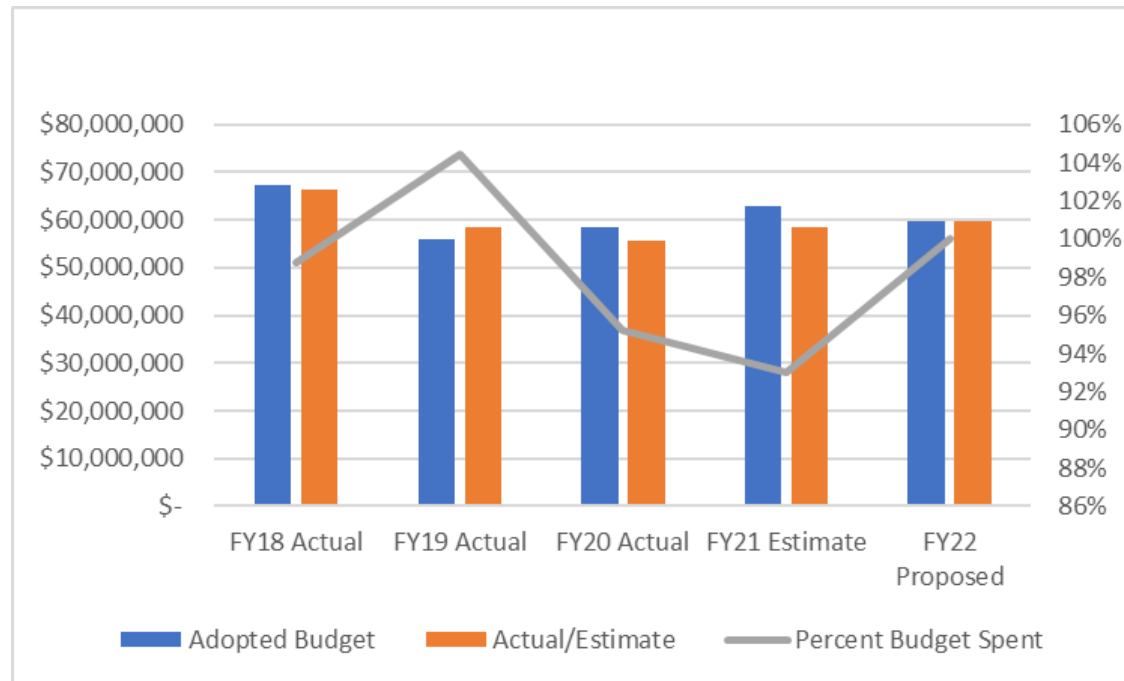
# FY2022 Budget Expenditures Net Change (in thousands)



FY2022 Projected General Fund Budget Expenditures Net Change to FY2021 Projected Current Budget		
<b>FY2021 Current Budget</b>		
Operating Budget	\$56,790	Notes
Restricted Budget	6,003	1
<b>FY2021 Current Budget</b>	<b>\$62,793</b>	
<b>Explanation of FY2022 Incremental Increase/(Decrease)</b>		
<b>Operating Budget Adjustments</b>		
Restricted Accts	(138)	
1115 Waiver	(2,620)	
Council Surplus	49	
Health Ins-Act Civ	(165)	
COVID-19 Redeployment	(1,502)	
<b>Subtotal Operating Budget Adjustments</b>	<b>\$ (4,376)</b>	
<b>% Change from FY21 Operating Budget</b>	<b>(7.0%)</b>	
<b>Contractual or Mandated Adjustments:</b>		
Approved Budget Reduction	\$ (1,323)	
Health Benefits Active Civilian	\$ (332)	
Municipal Pension	(203)	
Long Term Disability Civilian	(15)	
Council Surplus	(49)	
Restricted Accounts	746	
COVID-19 Redeployment Adjustment	1,690	
COVID-19 Redeployment	1,502	
Program Adjustment (1115 IGT)	(727)	
<b>Subtotal Contractual/Mandated Increases</b>	<b>\$ 1,289</b>	
<b>FY2022 Projected Budget</b>		
Operating and Contractual Adjustments	\$ -	
<b>FY2022 Projected Budget</b>	<b>\$59,869</b>	
<b>% Change from FY21 Projected Current Budget</b>	<b>(4.7%)</b>	
<b>Notes:</b>		
1. Restricted Budget includes service chargeback accounts for items such fuel, electricity, IT accounts, etc		



# Budget History



	FY18 Actual	FY19 Actual	FY20 Actual	FY21 Estimate	FY22 Proposed
Adopted Budget	\$ 67,130,778	\$ 56,041,317	\$ 58,540,257	\$ 62,793,224	\$ 59,869,154
Actual/Estimate	\$ 66,274,946	\$ 58,525,436	\$ 55,750,173	\$ 58,415,562	\$ 59,869,154
Percent Budget Spent	99%	104%	95%	93%	100%

Note: The FY19 Adopted Budget does not include Jail Health; whereas the FY19 Actuals include Jail Health expenditures.

# Department Budget Reductions (in thousands)



Fund	FY19	FY20	FY22	3-Year Total
General Fund	1,031	1,458	1,323	3,812
FTEs	6.2	17.0	15.0	38.2
Total				

- **FY2022 Reduction - \$1,323**
  - Propose charged back to the ELC & Immunization Grants for various HHD General Fund staff currently in support of COVID-19 deployment.
- **FY2020 Reduction - \$1,458**
  - Transfer filled positions to Health Special Revenue Fund.
- **FY2019 Reduction - \$1,031**
  - Eliminate 6.2 FTEs, reduce temporary services and generate additional approved revenue.



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# Questions



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# Appendix

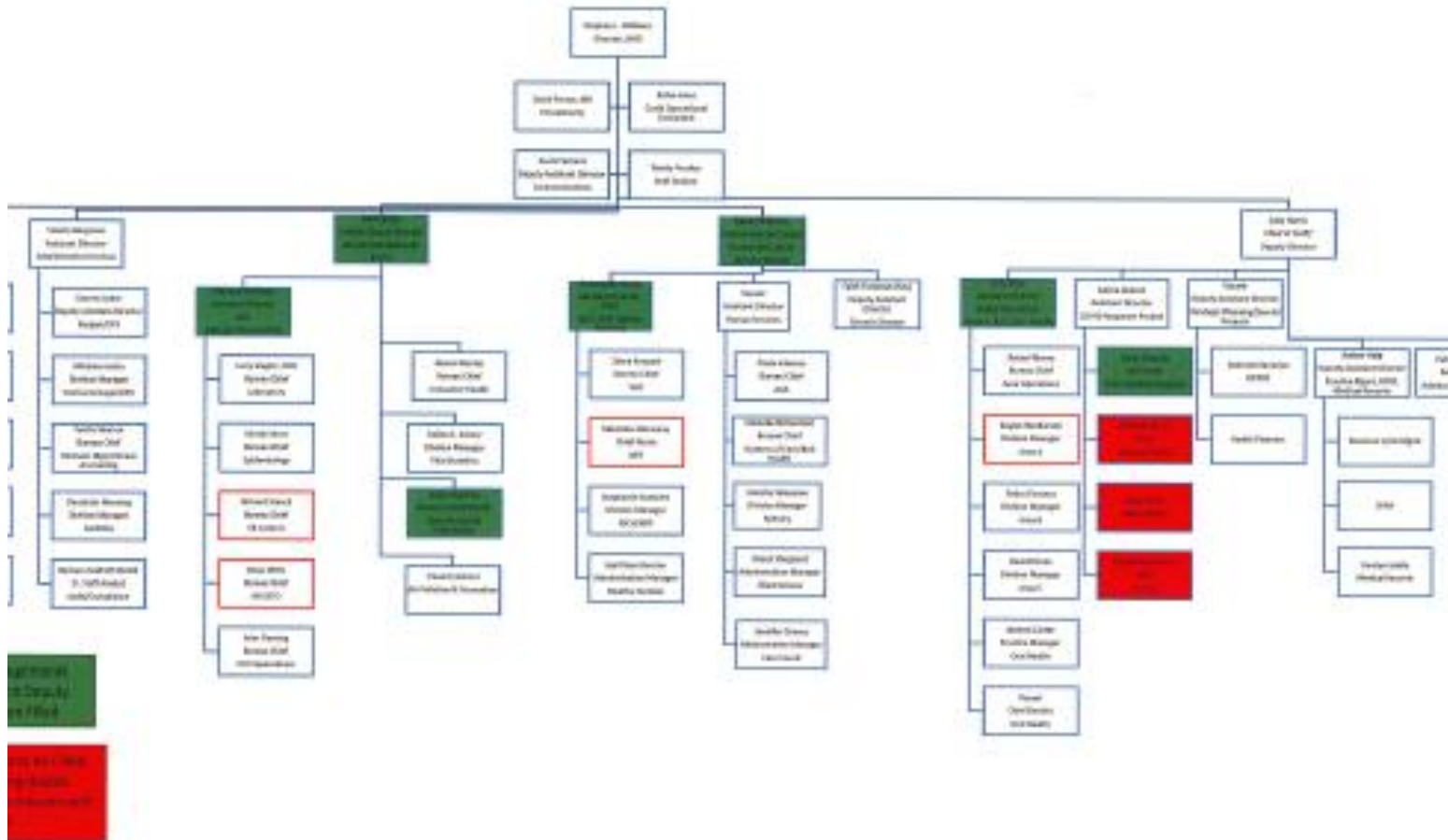


# Restricted Account Details

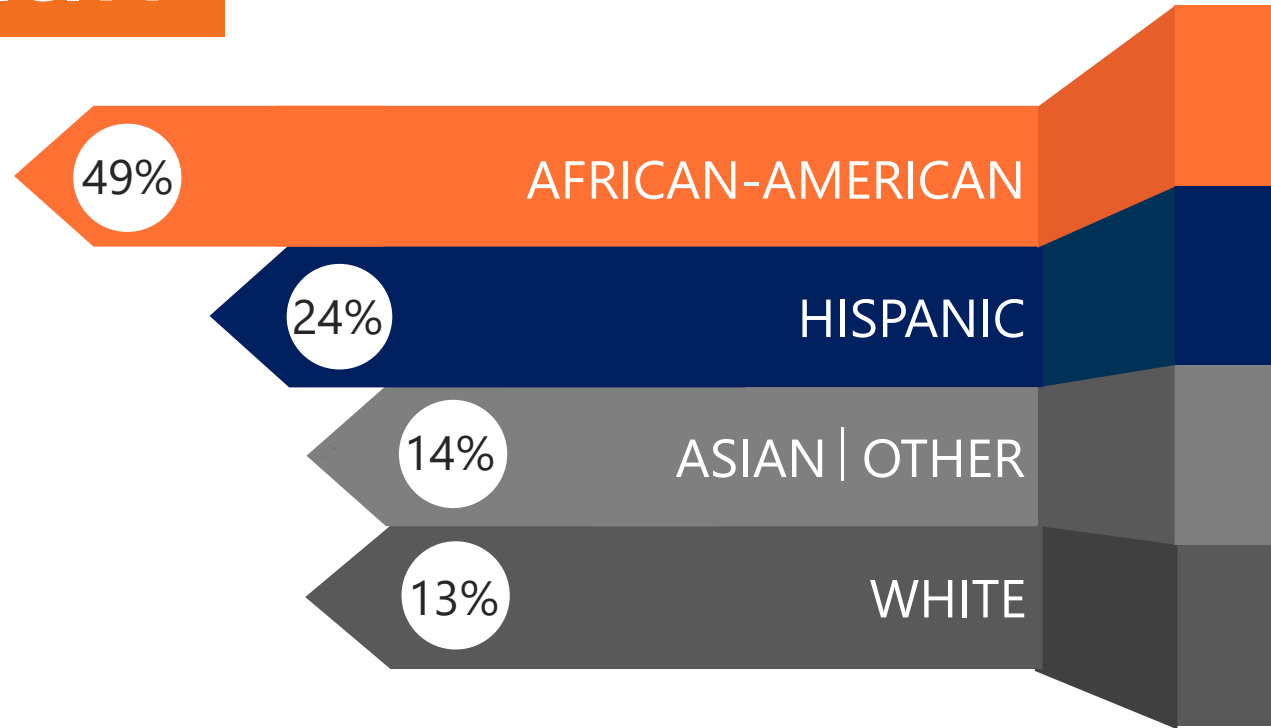
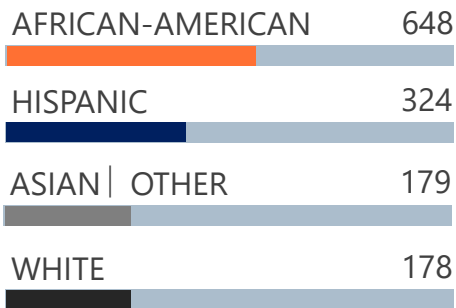
GL Description	Justification & Cost Drivers
Fuel	Fuel Program operates and manages all City owned fuel sites. Expense explanation - Fuel services are driven primarily by market pricing
Application Services	Costs include Microsoft Enterprise licenses, 3-1-1 maintenance support and applications, SAP licenses maintenance and support, various Enterprise Application and Server support personnel, CSMART (MCD Only), eSignature, Project Management, Infor, eDiscovery, Cyber Security Office software and support, HITS Budget support via the Finance Department, eSignature
Insurance Fees	Cost increase for property insurance premium.
Electricity	Responsible for administering the electricity accounts for the City. Program is responsible for overseeing procurement contracts, forecasting, providing price certainty, and financial reporting. Electricity expenses are projected to be lower than the previous year as a function of the competitive bidding process.
Natural Gas	Responsible for administering the natural gas accounts for the City. Program is responsible for overseeing procurement contracts, forecasting, providing price certainty, and financial reporting. Natural gas expenses are projected to be lower than the previous year due to current market conditions and locking in a rate favorable to the City.
Data Services	Costs associated with software and maintenance support contracts required to maintain city networks, applications, desktop devices, servers, payment card industry security, storage devices, cloud services, telephone systems and network equipment including Phonoscope circuits. Contracts cover Antivirus, Firewall and Network backup systems. Also, the Data Center costs are included in the Data Services restricted account.
Voice Services	Monthly costs for Voice/Communication Services. The services include: Local landlines, voice/data circuits, long distance, 1-800 numbers, calling cards, language lines, Citywide ISP/Internet Access. The major vendors are ATT, Department of Information Resources (DIR), Verizon and Century Link.
Voice Labor	Labor costs and parts needed to perform work associated with installation and/or upgrades of telephone systems and cabling. The sole vendor is Selrico.
GIS Revolving Fund Services	Personnel, software licenses and maintenance costs associated with the city of Houston's Enterprise Geographic Information System (EGIS)
Voice Services - Wireless	Monthly charges for Verizon Business services and mobile devices including cell phones, air cards and tablets.
Interfund HR Client Services	Include HR operation cost reflecting health benefits and restricted accounts increase.
KRONOS Service Chargeback	Software license and maintenance costs associated with the city of Houston's Time and Attendance System (KRONOS)
Drainage Fee Service Chargeback	Fee is based on impervious service.
Interfund Permit Center Rent Chargeback	The cost include the HPC Point of Sale cost increase for credit card merchant fee, and lease cost increase.
Interfund Vehicle Services	Provides repair, maintenance, and administrative support for all city departments' rolling stock equipment. Expense explanation - Vehicle Services are projected to increase driven by part cost, contractual increases, and an aging vehicle population.
Interfund Radio System Access	Due to the consolidation of the radio group in General Fund to revolving fund for HITS. This group is responsible for the operation and maintenance of the City's public safety radio system.



# Leadership Org. Chart

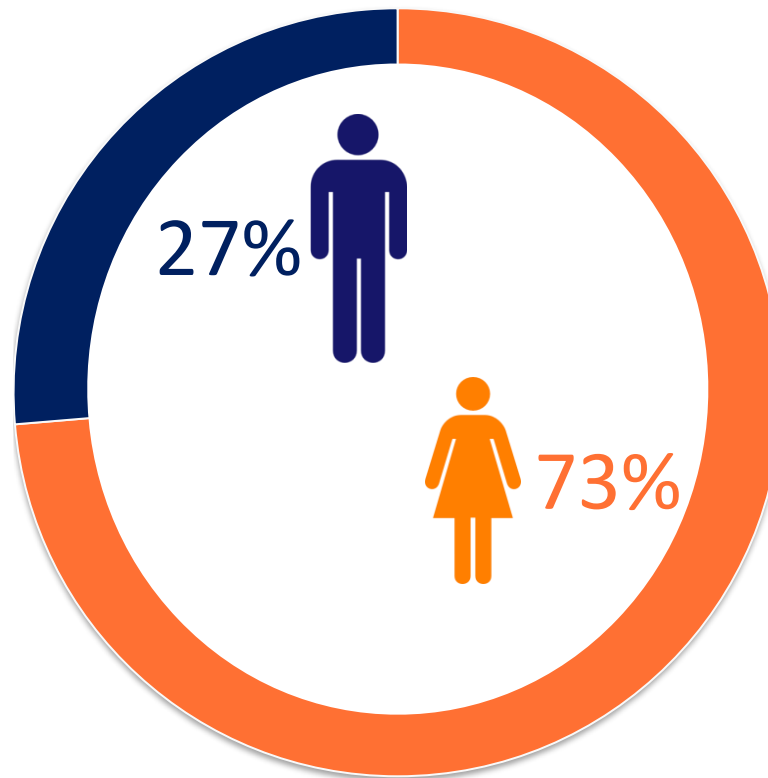


## RACE/ETHNICITY



\*Total 1329 as of April 30, 2021 including General Funds, Grant Funds and Special Funds

## GENDER



\*Total 1329 as of April 30, 2021 including General Funds, Grant Funds and Special Funds



# Resilience and Climate Action

High-priority Initiatives or Projects	Resilient Houston Goals/Target/Actions	Climate Action Plan Goal/Target/Action
Four different air monitoring projects: benzene; particulate matter; concrete batch plants; formaldehyde	<b>Goals:</b> 3, 6, 10, 13, 14, 17 <b>Actions:</b> 2.1, 4.2, 20, 31.4, 39.2, 39.4, 44.1, 52, 55.3	Low-emission mobility
Air, water, and ground pollution complaints (311)	<b>Goals:</b> 3, 6, 8, 10, 13, 16, 17 <b>Actions:</b> 20, 26,	Protect natural ability to capture carbon
Community engagement and response for air pollution and surface water, Community Health Improvement Plan (CHIP)	<b>Goals:</b> 3, 6, 10, 13, 17 <b>Actions:</b> 2.1, 4.2	
River and bayou water quality sampling	<b>Goals:</b> 3, 6, 8, 10, 13, 16, 17 <b>Actions:</b> 20, 26	Protect natural ability to capture carbon
Environmental Youth Council at high schools	<b>Goals:</b> 3, 10 <b>Actions:</b> 4.2, 7.1, 7.2	
Tree planting framework in vulnerable locations to improve health	<b>Goals:</b> 10 <b>Actions:</b> 16.2, 20.2, 20.4, 25.2, 26.3, 27.2, 28.2, 29.3, 51.3	Protect natural ability to capture carbon, water conservation



# Four different air monitoring projects: benzene; particulate matter; concrete batch plants; formaldehyde

- **Goals:** 3 Improve safety and well-being for all Houstonians, 6 Ensure all neighborhoods are healthy, safe, and climate ready, 10 demonstrate leadership on climate change through action, 13 transform city government to operationalize resilience and build trust, 14 invest in the region's diverse economy, 17 enhance regional emergency preparedness and response
- The combined results of these projects directly benefit the health and safety of Houstonians. Projects initiated through the Houston Health Department have improved relationships between the city and its residents with significant benefits. Projects initiated through the Houston Health Department have added value to partnered businesses and strengthened relationships between communities and businesses.
- **Actions:**
  - 2.1 Grow climate risk awareness
    - Benzene presents an acute risk for ground-level benzene formation which impacts vegetation and human health, indirectly influencing climate change
  - 4.2 Expand leadership opportunities for Houston's youth
    - HHD has implemented programs at local high schools to engage Houston's youth with environmental science through the Environmental Youth Council
  - 20 The City will develop and adopt a comprehensive environmental justice (EJ) strategy, leveraging and expanding upon existing mapping and monitoring tools.
    - Many of HHD's projects (benzene surveillance and formaldehyde measurement) operated on the premise that certain communities were being disproportionately affected by pollution and corresponding health impacts.
    - Mapping has been done to address spatially relevant health risks due to environmental and industrial concerns. These efforts have been strengthened through the placement of new particulate matter and nitrogen dioxide sensors throughout the city and its fleet.
  - 31.4 Lead by example on electric and cleaner, more efficient vehicles
    - This project exclusively uses electric vehicles to limit pollution as well as interference with the instruments onboard
  - 39.2 Develop and adopt an equity atlas and framework
    - The city maintains many datasets of health information and environmental pollution. At the intersection of these two fields, statistical analysis conducted by the city aims to understand any connection between health and environmental data to inform future intervention.
  - 39.4 Create and equitable policy analysis approach
    - Considerable effort has been put into identifying historically underrepresented neighborhoods and populations. Historically, the neighborhoods at most risk from air pollution and its effects are also socioeconomically disadvantaged and suffer from disproportionate health outcomes.
  - 44.1 Develop additional open data and mapping capabilities
    - The Houston Health Department strives to collect data and conduct analyses in a transparent and unbiased manner. Many interactive data maps are hosted on the HHD website, and all datasets and maps produced by HHD are available to the public through FOIA requests.
  - 52
    - Through collective impact grants and MOUs, the City of Houston and Harris County have agreed to share sampling assets and data to improve the partnership with Houston's extraterritorial jurisdiction and county partners.
  - 55.3 Improve enforcement of air quality regulations through enhanced coordination and collaboration with TCEQ
    - In collaboration with Harris County Pollution Control, the City of Houston Health Department is in active communication surrounding violations, exceedances, and deployment. The continued collaboration with the County, alongside state regulators at the TCEQ pave a way forward in asset and data sharing to respond to routine and emergency situations.



# Air, water, and ground pollution complaints (311)

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- **Goals:** 3 Improve safety and well-being for all Houstonians, 6 Ensure all neighborhoods are healthy, safe, and climate ready, 8 live safely with water, 10 demonstrate leadership on climate change through action, 13 transform city government to operationalize resilience and build trust, 16 manage our land and water resources from prairie to bay, 17 enhance regional emergency preparedness and response
- The sampling that is conducted by the Houston Health Department is critically important to understand historical and emerging pollution concerns. Through air, soil, and water sampling, the Houston Health Department works to identify risks within communities, plan for future use and surveillance of sites, and inform residents about potential risks and threats from environmental and climate factors.
- **Actions:**
  - 20 The City will develop and adopt a comprehensive environmental justice (EJ) strategy, leveraging and expanding upon existing mapping and monitoring tools.
    - Many of HHD's projects (benzene surveillance and formaldehyde measurement) operated on the premise that certain communities were being disproportionality affected by pollution and corresponding health impacts.
    - Mapping has been done to address spatially relevant health risks due to environmental and industrial concerns. These efforts have been strengthened through the placement of new particulate matter and nitrogen dioxide sensors throughout the city and its fleet.
  - 26 Clean Houston's bayous and waterways

# Community engagement and response, Community Health Improvement Plan (CHIP)

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- **Goals:** 3 Improve safety and well-being for all Houstonians, 6 Ensure all neighborhoods are healthy, safe, and climate ready, 10 demonstrate leadership on climate change through action, 13 transform city government to operationalize resilience and build trust, 17 enhance regional emergency preparedness and response
- Through community outreach and education, the Houston Health Department works to identify risks within communities, plan for future use and surveillance of sites, and inform residents about potential risks and threats from environmental and climate factors.
- **Actions:**
  - 2.1 Grow climate risk awareness
    - Benzene presents an acute risk for ground-level benzene formation which impacts vegetation and human health, indirectly influencing climate change
  - 4.2 Expand leadership opportunities for Houston's youth
    - HHD has implemented programs at local high schools to engage Houston's youth with environmental science through the Environmental Youth Council



# River and bayou water quality sampling

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- **Goals:** 3 Improve safety and well-being for all Houstonians, 6 Ensure all neighborhoods are healthy, safe, and climate ready, 8 live safely with water, 10 demonstrate leadership on climate change through action, 13 transform city government to operationalize resilience and build trust, 16 manage our land and water resources from prairie to bay, 17 enhance regional emergency preparedness and response
- Through outreach and education, the Houston Health Department works to identify risks within communities, plan for future use and surveillance of sites, and inform residents about potential risks and threats from environmental and climate factors. Management of ecological resources such as parks, detention ponds, and waterways is critical for many Resilient Houston goals as well as Houston Health Department projects.
- **Actions:**
  - 20 The City will develop and adopt a comprehensive environmental justice (EJ) strategy, leveraging and expanding upon existing mapping and monitoring tools.
    - Many of HHD's projects (benzene surveillance and formaldehyde measurement) operated on the premise that certain communities were being disproportionality affected by pollution and corresponding health impacts.
    - Mapping has been done to address spatially relevant health risks due to environmental and industrial concerns. These efforts have been strengthened through the placement of new particulate matter and nitrogen dioxide sensors throughout the city and its fleet.
  - 26 Clean Houston's bayous and waterways





# Environmental Youth Council at high schools

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- **Goals:** 3 Improve safety and well-being for all Houstonians, 10 demonstrate leadership on climate change through action
- The Houston Health Department is intimately engaged in novel scientific methods for wastewater sampling for COVID-19, pollution monitoring and control, and public health research. These methods are recorded in peer-reviewed publications to assist other cities in their own climate and health investigations. The sampling that is conducted by the Houston Health Department is critically important to understand historical and emerging pollution concerns. The Houston Health Department works to identify risks within communities, plan for future use and surveillance of sites, and inform residents about potential risks and threats from environmental and climate factors in order to protect public health.
- **Actions:**
  - 4.2 Expand leadership and stewardship opportunities for Houston's Youth
    - This program allows for leadership opportunities through environmental education and advocacy, rooted in science and data analysis.
  - 7.1 Prepare Houston's youth for jobs of the future
    - The Environmental Youth Council engages high school students in the field of atmospheric science and pollution control. These skills are essential to address climate and environmental jobs of the future
  - 7.2 Promote creative STEAM-based learning methods to engage the next generation of resilience leaders
    - The Environmental Youth Council engages high school students in the field of atmospheric science and pollution control. This program introduces environmentalism and resiliency to future leaders in the sustainability.



# Tree planting framework in vulnerable locations to improve health

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- **Goals:** 10 demonstrate leadership on climate change through action
- The Houston Health Department is intimately engaged in novel scientific methods for wastewater sampling for COVID-19, pollution monitoring and control, and public health research. These methods are recorded in peer-reviewed publications to assist other cities in their own climate and health investigations.
- **Actions:**
  - 16.2 Accelerate tree planting and prairie restoration
  - 20.2 Leverage environmental justice mapping and research to inform decision making
    - Health disparities were used as a metric to direct tree planting sites
  - 20.4 Establish recommendations for planning and land-use policies around clean air, clean drinking water, and pollution-free waterways
    - In addition to flood mitigation benefits, heat island benefits, and health benefits, large-scale tree planting improves air quality.
  - 25.2 Hold water where it falls, before it enters the bayou
    - Uptake and infiltration from native tree species were prioritized in the selection of “Super Trees”
  - 26.3 Promote natural infiltration and treatment of stormwater by wetlands, prairies, and woodlands
  - 27.2 Develop local, multi-sector coalition to research, test, and advance the implementation of nature-based infrastructure
    - Representatives from the City of Houston, a prominent local environmental non-profit, and industry came together to implement this green solution to flooding, heat, and pollution
  - 28.2 Enhance ecological patches and corridors using restoration in city parks as a model
    - Trees have been planted in city parks and detention zones, usually in close proximity to flood plains or bayous
  - 29.3 Leverage investments for multi-purpose flood mitigation, recreation, transportation, and community health benefits
    - The use of trees for beautification, recreation, and the benefits listed above demonstrate a multi-purpose solution for the benefit of Houstonians and the environment
  - 51.3 Restore land to native prairie, wetlands, and woodlands



# Department FY2021 Accomplishments

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- HHD was awarded new funding from CDC for PS21-2103, Integrated Viral Hepatitis Surveillance and Prevention Funding for Health Departments.
- HHD's "I Am Life" Campaign – an innovative campaign utilizing brand ambassadors to increase HIV Pre-exposure Prophylaxis (PrEP) – received a 2020 Award for Mosaic Talent in Advertising presented by the American Advertising Federation.
- In response to surging fetal deaths, HHD launched a campaign in 2020 about the importance of prenatal care as the key to preventing congenital syphilis. The campaign, "My Prenatal Promise," targets women of childbearing capacity, ages (16-44), and emphasizes the importance of prenatal care and getting tested three times for syphilis, as required by Texas state law.
- HHD's funded sub-recipients maintained near pre-pandemic levels of HIV testing in the community providing 5,679 tests.
- The Ending the HIV Epidemic community engagement dashboard was launched at [EHEhouston.org](https://EHEhouston.org).

# Department FY2021 Accomplishments (Continued)

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- Provided a meal for every senior that needs it since the pandemic started and as such, we do not have a waitlist.
- Continue to provide 5 meals a week for all our clients including our congregate meal clients who have transitioned to a homebound model. We have been able to accomplish this feat by utilizing courier services.
- Successfully gone through two RFP processes for nutritional and transportation services as well the food service providers and we are in the final stages for both.
- Developed an evidence-based plan for fully re-opening our congregate meal sites by the fall.
- Reduced a 5-year waitlist to 3 years. After implementing additional protocols for the Dental Waitlist, to increase the effectiveness and accuracy of the list. The 2018 waitlist was reduced by over 40%, while adding 179 people to the 2021 waitlist.
- Completed the 2018 waitlist within the next 3 months, while diligently working on the 2018 list of 152 clients utilizing the 5 providers that we have in place.
- Completed 88 homes of older adults that were affected by the February 2021 Winter Freeze, totaling \$362,487.10.
- Assisted two older adults with insurance deductibles total \$6,000, allowing them to complete the repairs on their homes.
- We have 31 additional homes currently in the repair process.